

### Abstract

A refrigerant circuit (40) is provided with an outdoor heat exchanger (54), an indoor heat exchanger (55) and two adsorption heat exchangers (56, 57). The indoor heat  
5 exchanger (55) is disposed in an indoor unit (11), while the outdoor heat exchanger (54) and the two adsorption heat exchangers (56, 57) are disposed in an outdoor unit (12). Moisture in outdoor air taken in the outdoor unit (12) is adsorbed by the adsorbent in the adsorption heat exchanger (56, 57) serving as an evaporator and the air is dehumidified. The dehumidified air is cooled by the indoor heat exchanger (55) serving as an evaporator  
10 and the air is supplied to the room space.